



Update_2_0_194

Clinical Reminders

VA-COVID-19 CPRS STATUS VERSION 6

Install Guide

April 2021

Product Development
Office of Information Technology
Department of Veterans Affairs

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Introduction

Description: Banner Version 6 changes

1. **Resolved Clinically takes precedence:** in v5, if patient had an indicator of “Resolved Clinically” and their positive PCR test was over 14 days old, the banner would display as “Prior Positive”. Any prior positive PCR over 14 days old would cause the banner to display as “Prior Positive” unless a new positive test was entered.
With V6, the entry of a health factor indicating “Resolved Clinically” will take precedence unless there is a new positive PCR that is more than 60 days after an entry of “Resolved Clinically”. An entry of “Resolved Clinically” will affect the banner display permanently for any patient who has a prior positive PCR unless there is a new PCR positive that is more than 60 days after the “Resolved Clinically”.
If there is no entry of “Resolved Clinically”, then the banner will continue to use the “Prior Positive” display after 14 days.

If an entry of ‘Resolved Clinically’ is present, it will continue to display into the future instead of reverting to ‘Prior Positive’.

COVID-19	Resolved Clinically: 3/4/2021	Positive test: 3/4/2021
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In this example, the patient had a positive PCR in March 2020 and then it was entered that they were ‘Resolved Clinically’. After that entry, the patient tested positive again by PCR on 5/11/20. The ‘Resolved Clinically’ is what is displayed since the new positive is still within 60 days of the entry of clinical resolution of illness.

COVID-19	Resolved Clinically: 3/23/2020	Positive test: 5/11/2020
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Then the patient is re-infected and tests positive in July 2020. The banner would have displayed for 2 weeks as ‘POSITIVE’. If no other entries are made after that new positive, then the banner looks like this 14 days after the positive test.

COVID-19	Prior Positive	Outside Test: 7/14/2020
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This status could be updated to ‘Resolved Clinically’ at any time with entry of that health factor even many months later.

2. **A positive Antigen test will display:**

If there is a positive antigen test and it is the most recent test and there is no more recent indication of "Resolved Clinically", the positive antigen test will display in the banner.

There are 4 possible options for display - the first 3 display if the positive antigen test was done in the past 14 days:

- a. Antigen Test Positive
- b. Antigen Test Positive PCR test collected, results pending:
- c. Antigen Test Positive PCR test pending collection:
- d. Prior Antigen Test Positive

Once the PCR is resulted, then that is what will display instead of the Ag test.

A positive antigen test will display instead of "Resolved Clinically" until a new "Resolved Clinically" is entered or a PCR is resulted.

Example of (a)

COVID-19	POSITIVE Antigen Test: 3/11/2021
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If a PCR is pending and not received in the lab – as in c. above.

COVID-19	POSITIVE Antigen Test: 3/11/2021	PCR test pending collection: 3/15/2021
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3. A negative Antigen or Negative self-reported outside COVID-19 PCR will display as “testing Completed – see details” instead of “Not tested”.

- a. The results will show when you click on the banner to see the detailed information.

COVID-19	Testing Completed - see details
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4. **The detailed display text has been expanded** to include:

- a. A section for COVID-19 immunizations
- b. A section for site specified orderable items that can be used for orders for isolation/precautions or for other COVID-19 related orderable items that a site wants to display in the details. Only pending or active orders will display and there is a limit of 6. This is optional.

The description of COVID-19 RESOLVED in the COVID-19 STATUS ADJUSTMENT template was also updated:

```
3. COVID-19 RESOLVED - Converts a CPRS banner of POSITIVE to
RESOLVED CLINICALLY.
- Resolved clinically will display until there is a positive
  test resulted 60 days or later after this status is entered.
- Do not use this option for a patient who was not KNOWN to
  have COVID-19.
- This option is used to indicate that the patient's
  illness has resolved based on CDC criteria -
  Severe/Critical Illness
  a. At least 24 hours have passed since resolution of
    fever without the use of fever-reducing medications
    AND
  b. Improvement in respiratory symptoms (e.g., cough,
    shortness of breath);
    AND
  c. At least 20 days have passed since symptoms first appeared.

  Mild/Moderate Illness or Asymptomatic
  a. At least 24 hours have passed since resolution of
    fever without the use of fever-reducing medications
    AND
  b. Improvement in respiratory symptoms (e.g., cough,
    shortness of breath);
    AND
  c. At least 10 days have passed since symptoms first appeared
    or positive test
```

UPDATE_2_0_194 contains 1 Reminder Exchange entry:

UPDATE_2_0_194 VA-COVID-19 CPRS STATUS VERSION 6

The exchange file contains the following components:

HEALTH FACTORS

VA-REMINDER UPDATES
VA-UPDATE_2_0_194
VA-COVID-19
VA-COVID-19 NO LONGER SUSPECTED
VA-COVID-19 INCORRECT PRIOR POSITIVE PCR
VA-COVID-19 RESOLVED
VA-COVID-19 SUSPECTED
VA-COVID-19 UNK OUTSIDE LAB TEST NEG
VA-COVID-19 UNK OUTSIDE LAB TEST POS
VA-COVID-19 NON PCR AG LAB OUTSIDE NEG
VA-COVID-19 NON PCR AG LAB OUTSIDE POS
VA-COVID-19 OUTSIDE PCR SPEC COLLECTED
VA-COVID-19 PCR LAB OUTSIDE NEGATIVE
VA-COVID-19 PCR LAB OUTSIDE POSITIVE
VA-COVID-19 LAB OUTSIDE POSITIVE

REMINDER SPONSOR

NATIONAL CENTER FOR HEALTH PROMOTION AND DISEASE
PREVENTION (NCP)

REMINDER TAXONOMY

VA-COVID-19 SNOMED CODES

REMINDER TERM

VA-REMINDER UPDATE_2_0_194
VA-COVID-19 AG LAB RESULTS POSITIVE HF
VA-COVID-19 AG LAB RESULTS POSITIVE
VA-COVID-19 RELATED ORDERABLE ITEMS FOR BANNER DISPLAY
VA-SARS-COV-2 VACCINES
VA-COVID-19 PROB LIST DX
VA-COVID-19 PCR LAB ORDERS
VA-COVID-19 CLINICAL INFO
VA-COVID-19 OUTSIDE RESULTS
VA-COVID-19 PRESUMED
VA-COVID-19 ANTIBODY LAB TEST
VA-COVID-19 PCR/AG LAB RESULTS
VA-COVID-19 NO LONGER PRESUMED
VA-COVID-19 INCORRECT PRIOR POSITIVE PCR RESULT
VA-COVID-19 PCR LAB RESULTS POSITIVE
VA-COVID-19 OUTSIDE PCR LAB POSITIVE
VA-COVID-19 OUTSIDE PCR SPECIMEN COLLECTED
VA-COVID-19 RECOVERED
VA-COVID-19 OUTSIDE PCR LAB NEGATIVE
VA-COVID-19 PCR LAB RESULTS NEGATIVE

REMINDER DEFINITION

VA-COVID-19 CPRS STATUS

REMINDER DIALOG

VA-GP COVID-19 STATUS V6

Install Details

This update is being distributed as a web host file. The address for the host file is:

https://REDACTED/UPDATE_2_0_194.PRD

The file will be installed using Reminder Exchange, programmer access is not required.

Installation:

=====

This update can be loaded with users on the system. Installation will take less than 5 minutes.

Pre-Install

Using the Vista menu, Reminder Term management, Term Inquiry, inquire and save the following reminder terms for reference post install. If you follow the install guide closely, your mapping should be preserved.

1. VA-COVID-19 PCR LAB RESULTS NEGATIVE
2. VA-COVID-19 PCR LAB RESULTS POSITIVE
3. VA-COVID-19 PCR LAB ORDERS
4. VA-COVID-19 PCR/AG LAB RESULTS
5. VA-COVID-19 ANTIBODY LAB TEST

Install Example

To Load the Web Host File. Navigate to Reminder exchange in Vista



```
+      + Next Screen  - Prev Screen  ?? More Actions  >>>
CFE  Create Exchange File Entry      LHF  Load Host File
CHF  Create Host File                 LMM  Load MailMan Message
CMM  Create MailMan Message           LR   List Reminder Definitions
DFE  Delete Exchange File Entry       LWH  Load Web Host File
IFE  Install Exchange File Entry       RI   Reminder Definition Inquiry
IH   Installation History              RP   Repack
Select Action: Next Screen// LWH  Load Web Host File
Input the URL for the .prd file: https://[REDACTED]/UPDATE_2_0_194.PRD
```

At the **Select Action:** prompt, enter **LWH** for Load Web Host File

At the **Input the url for the .prd file:** prompt, type the following web address:

https://REDACTED/UPDATE_2_0_194.PRD

You should see a message at the top of your screen that the file successfully loaded.

```
https://vaww.va.gov/reminders/docs/UPDATE_2_0_194.PRD successfully loaded.
```

Search for and locate the reminder exchange entry titled UPDATE_2_0_194 VA-COVID-19 CPRS STATUS VERSION 6.

+Item	Entry	Source	Date Packed
163	UPDATE_2_0_194 VA-COVID-19 CPRS STATUS VERSION 6		04/20/2021005:54
164	UPDATE_2_0_195 VAAES SKIN INSPECTION/ASSESSMENT UPDATE		04/06/2021013:49
165	UPDATE_2_0_198 VA-MH HRS PRF CAT I		04/07/2021013:08
166	UPDATE_2_0_2 CAREGIVER ELIG		02/18/2016013:10
167	UPDATE_2_0_20 BREAST CANCER DIALOGS		02/06/2017012:19
168	UPDATE_2_0_20 COLON CANCER		02/07/2017009:19
+ Next Screen - Prev Screen ?? More Actions >>>			
CFE	Create Exchange File Entry	LHF	Load Host File
CHF	Create Host File	LMM	Load MailMan Message
CMM	Create MailMan Message	LR	List Reminder Definitions
DFE	Delete Exchange File Entry	LWH	Load Web Host File
IFE	Install Exchange File Entry	RI	Reminder Definition Inquiry
IH	Installation History	RP	Repack
Select Action: Next Screen// IFE Install Exchange File Entry			
Enter a list or range of numbers (1-396): 163			

At the **Select Action** prompt, enter **IFE** for Install Exchange File Entry
Enter the number that corresponds with your entry titled **UPDATE_2_0_194 VA-COVID-19 CPRS STATUS VERSION 6** (in this example it is entry 163, it will vary by site) The date on the exchange file should be 04/20/2021.

Component	Category	Exists
Source:		
Date Packed: 04/20/2021005:54:45		
Package Version: 2.0P46		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-GP COVID-19 STATUS V6		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_194		
REMINDER DEFINITION		
VA-COVID-19 CPRS STATUS		
Keywords:		
+ Enter ?? for more actions >>>		
IA	Install all Components	IS Install Selected Component
Select Action: Next Screen// IA		

At the **Select Action** prompt, type **IA** for Install all Components and hit enter.

Select Action: Next Screen// **IA Install all Components**

During the installation, you will see several prompts:

Install all new components

MERGE any existing REMINDER TERM components that you are prompted to overwrite with one exception, for this term **VA-COVID-19 OUTSIDE PCR LAB**

POSITIVE you should **overwrite**

REMINDER TERM entry named **VA-COVID-19 OUTSIDE PCR LAB POSITIVE** already exists but the packed component is different, what do you want to do?

Select one of the following:

- C Create a new entry by copying to a new name
- M Merge findings
- O Overwrite the current entry
- U Update
- Q Quit the install
- S Skip, do not install this entry

Enter response: **O// overwrite the current entry**

Are you sure you want to overwrite? **N// Y**

OVERWRITE the reminder definition component

****Note: if you are installing in your TEST account, the immunization file may not have the COVID-19 immunization entries and you will get prompted to replace those finding items, you can replace them in your TEST account with any other immunization.*

You will be prompted to install the reminder dialog component – You will choose to install all even though some components may have an X to indicate that they exist.

Packed reminder dialog: VA-GP COVID-19 STATUS V6				
Item	Seq.	Dialog Findings	Type	Exists
1		VA-GP COVID-19 STATUS V6 Finding: *NONE*	group	
2	5	VA-COVID-19 STATUS VERSION Finding: *NONE*	element	X
3	10	VA-COVID-19 STATUS CLINICAL Finding: *NONE*	element	X
+ Next Screen - Prev Screen ?? More Actions				
DD	Dialog Details	DT	Dialog Text	IS Install Selected
DF	Dialog Findings	DU	Dialog Usage	QU Quit
DS	Dialog Summary	IA	Install All	
Select Action: Quit// IA				

At the **Select Action** prompt, type **IA** to install the dialog – **VA-GP COVID-19 STATUS V6**

Select Action: Next Screen// **IA Install All**

Install reminder dialog and all components with no further changes: Y// **Yes**

Packed reminder dialog: VA-GP COVID-19 STATUS V6				
VA-GP COVID-19 STATUS V6 (group) installed from exchange file.				
Item	Seq.	Dialog Findings	Type	Exists
1		VA-GP COVID-19 STATUS V6 Finding: *NONE*	group	X
2	5	VA-COVID-19 STATUS VERSION Finding: *NONE*	element	X
3	10	VA-COVID-19 STATUS CLINICAL Finding: *NONE*	element	X
+ Next Screen - Prev Screen ?? More Actions				
DD	Dialog Details	DT	Dialog Text	IS Install Selected
DF	Dialog Findings	DU	Dialog Usage	QU Quit
DS	Dialog Summary	IA	Install All	
Select Action: Quit// Q				

After completing this dialog install, you will type Q.

Component	Category	Exists
Source: [REDACTED]		
Date Packed: 04/20/2021005:54:45		
Package Version: 2.0P46		
Description:		
The following Clinical Reminder items were selected for packing:		
REMINDER DIALOG		
VA-GP COVID-19 STATUS V6		
REMINDER TERM		
VA-REMINDER UPDATE_2_0_194		
REMINDER DEFINITION		
VA-COVID-19 CPRS STATUS		
Keywords:		
+ + Next Screen - Prev Screen ?? More Actions >>>		
IA Install all Components IS Install Selected Component		
Select Action: Next Screen// Q		

You will be returned to this screen. Type Q to quit.
Install Completed

Post Installation

Review the following terms from the pre-install and edit to add your local items if needed, if you chose to merge instead of overwrite during the installation, no changes should be needed:

- 1. VA-COVID-19 PCR LAB RESULTS NEGATIVE**
This term should only contain lab test (LT) findings for COVID-19 PCR lab tests
- 2. VA-COVID-19 PCR LAB RESULTS POSITIVE**
This term should only contain lab test (LT) findings for COVID-19 PCR lab tests
- 3. VA-COVID-19 PCR LAB ORDERS**
This term should only contain orderable items (OI) findings for COVID-19 PCR lab test orderable items
- 4. VA-COVID-19 PCR/AG LAB RESULTS**
This term should only contain lab test (LT) findings for COVID-19 PCR and COVID-19 Antigen lab tests
- 5. VA-COVID-19 ANTIBODY LAB TEST**
This term should only contain lab test (LT) findings for COVID-19 ANTIBODY Tests

There are two new reminder terms that can be mapped

- 1. VA-COVID-19 AG LAB RESULTS POSITIVE**
Add your local lab test (LT) findings for COVID-19 antigen tests

2. VA-COVID-19 RELATED ORDERABLE ITEMS FOR BANNER DISPLAY

This term is optional for use.

Any orderable item added to this term will display in the detailed display of the CPRS banner. This can be used for active and pending orders for infection control precautions by adding the orderable items for those precautions that a site decides to display in the details of the banner click event.

If a site needs to use this to display prior orders for monoclonal antibody treatment, then you may need to set a time period in the begin date such as T-90D and add other statuses for those orderable items (expired, active, pending, etc).

Do not add drug findings to this term - the CSUB object is set for orderable items only.